

Fall 9-23-2019

## Volume 55, Issue 2 - Monday, September 23, 2019

Rose Thorn Staff

Follow this and additional works at: <https://scholar.rose-hulman.edu/rosethorn>

---

THE MATERIAL POSTED ON THIS ROSE-HULMAN REPOSITORY IS TO BE USED FOR PRIVATE STUDY, SCHOLARSHIP, OR RESEARCH AND MAY NOT BE USED FOR ANY OTHER PURPOSE. SOME CONTENT IN THE MATERIAL POSTED ON THIS REPOSITORY MAY BE PROTECTED BY COPYRIGHT. ANYONE HAVING ACCESS TO THE MATERIAL SHOULD NOT REPRODUCE OR DISTRIBUTE BY ANY MEANS COPIES OF ANY OF THE MATERIAL OR USE THE MATERIAL FOR DIRECT OR INDIRECT COMMERCIAL ADVANTAGE WITHOUT DETERMINING THAT SUCH ACT OR ACTS WILL NOT INFRINGE THE COPYRIGHT RIGHTS OF ANY PERSON OR ENTITY. ANY REPRODUCTION OR DISTRIBUTION OF ANY MATERIAL POSTED ON THIS REPOSITORY IS AT THE SOLE RISK OF THE PARTY THAT DOES SO.

# Come Sail Away

## Styx's Dennis DeYoung Performs at Hatfield

Colin Beach  
Lifestyle Editor

The most recent show in the Performing Arts Series, Dennis DeYoung drew a large crowd at Hatfield Hall. Fans both young and old gathered to hear the music of Styx, the legendary 70's rock band that DeYoung helped found. The performance was just one of many stops on the 40<sup>th</sup> Anniversary Tour of Styx's *The Grand Illusion* album (originally released on 7/7/1977). DeYoung, joined by his wife Suzanne and band members from across the globe, sang the album from start to finish. For the second half of the concert, the group performed more of Styx's greatest hits, including "Too Much Time On My Hands", "Mr. Roboto", and "Renegade" as the grand finale.

DeYoung, now 72, was having as much fun as the audience was. When he wasn't showing off his remarkable keyboard-playing skills, the musician was dancing and jumping around stage. DeYoung also shared stories about Styx's beginnings in Chicago and the albums they created. The concert included some of his favorites too: "Lady" (the first song DeYoung ever wrote) and "Babe" (written for, and initially only



Dennis DeYoung and his new Rock Band performing unforgettable Styx hits in Hatfield Hall this past Saturday  
*Image courtesy of Rose-Hulman Institute of Technology*

for, his wife). DeYoung and his band showcased their musical talent and kept the crowd on their feet. It was

clear from DeYoung's unforgettable performance that Styx and its music was the best of times.

Up next for the Performing Arts Series is *Champions of Magic* on October 17<sup>th</sup>.



- Page 3: **Hong Kong News**
- Page 4: **Borderlands 3**
- Page 6: **Sleep is the new trend**
- Page 7: **The Democratic Party**
- Page 9: **Sports!**

# You decide what's newsworthy.

*Tuesdays at 5:00pm in O259*

**TRISTAR**  
*Experience | Innovation | Solutions*



TRISTAR is a SERVICE DISABLED VETERAN OWNED SMALL BUSINESS established in 1995 and CMMI certified company. We are passionate about our employees and customers.

TRISTAR is preeminent in the solution of client problems in Engineering, Sensor Systems, Cyber Intelligence, Information Technology, Electronic Warfare Systems, Software Development, Program Management, and Technical services. Serving the Department of Defense (DoD) as well as Federal Government Agencies across the globe.

Our roots are experience, our passion is contagious, and our people are simply the best. We're just getting started. Come join the family!!

STOP by our booth to be eligible to win a small prize, we look forward to meeting you!

[www.star3.com](http://www.star3.com)    [www.jobs@star3.com](mailto:www.jobs@star3.com)

### Our Mission Statement:

We are Rose-Hulman's independent student newspaper. We keep the Rose-Hulman community informed by providing an accurate and dependable source for news and information.

- Dalal Bima | *Editor-in-Chief*

William Kemp | *Business Manager*

William Kemp | *Rose News Editor*

Dara Nafiu | *World News Editor*

Jared Gibson | *Entertainment Editor*

Colin Beach | *Lifestyle Editor*

Aidan Moulder | *Opinions Editor*
- Caleigh Kintner | *Sports Editor*

Rithvik Subramanya | *Flipside Editor*

Andrew Henderson | *Staff Writer*

Jonathan Kawauchi | *Staff Writer*

Nick Barr | *Staff Writer*

Thomas Hall | *Staff Writer*

Dr. Thomas Adams | *Faculty Advisor*

- ISSUES of The Rose Thorn are published on the second through ninth Mondays of each academic quarter
- WEEKLY MEETINGS occur at 5:00 p.m. on the first through ninth Tuesdays of each academic quarter. All members of the Rose-Hulman community are welcome to attend.
- SUBMISSION of articles, photographs, art, and letters to the editor is encouraged. Submission may be made by email to [thorn@rose-hulman.edu](mailto:thorn@rose-hulman.edu) or in person to Percopo room 031. The submission deadline is 5:00 p.m. Friday.
- THE RIGHTS to accept submissions or changes made after the deadline, to edit submissions in so far as the original intent of the submission remains unaltered, and to reject submissions deemed inappropriate for print are reserved by the editors.
- THE VIEWS EXPRESSED herein are those of their respective authors and with the exception of the Staff View do not necessarily represent the views of the staff or the Rose-Hulman community.



## Blackboard is Hiring!

We're looking for engineers who can help us enhance the student experience.



These positions focus on Blackboard Learn, a product in which we pride ourselves on creating well-designed web and mobile solutions to support learners, instructors, and administrators. Blackboard Learn allows learners and instructors to access online educational experiences wherever and whenever they want through web and mobile devices. Our technology helps instructors breathe life into educational content, brings efficiency to day-to-day tasks, and empowers instructors with tools to engage and assess every learner. We help motivate learners by promoting collaboration, communication, and connections with their peers and instructors.



### Product Positions

[VISIT BLACKBOARD.COM](https://blackboard.com)

Associate SW Engineer

SW Engineer

Software Engineer in Test: Associate SET, and SET.

See you at the career fair!

Blackboard®





## The People's Outcry

### Hong Kong Protests Press On

Jonathan Kawauchi  
Staff Writer

Since early June, Hong Kong has been facing weekly protests and public demonstrations. What was once a demonstration against a controversial bill regarding extradition laws of Hong Kong citizens has evolved into a massive semi-organized movement advocating for greater Hong Kong independence and independent investigation into police brutality, with some protests having attendance figures as high as 2 million (out of Hong Kong's 7.5 million citizens). While there were protests as early as March and April 2019, the initial movement received traction and global media attention on June 9th, when a million Hong Kongers protested against a new bill regarding Hong Kong's non-existent extradition laws. The bill was prompted by a Hong Kong man who was accused of strangling his pregnant

***"The protests have grown into a movement advocating for independence for Hong Kong"***



From gas masks and goggles to hard hats and umbrellas, protesters came prepared to face the riot police.

Image courtesy of Quartz

The Hong Kong government based the extradition bill on this incident to allow for case-by-case extraditions to countries that lack formal extradition treaties with Hong Kong. However, critics of the bill argue that the bill would allow China to abuse the law and arbitrarily detain Hongkongers who might openly dissent against the Chinese government. Since the June 9th march, there have been several massive forms of protest throughout Hong

withdrawn, the incident has sparked massive criticisms of the current Hong Kong government with demands of officially killing the extradition bill and the resignation of current Hong Kong Chief Executive Carrie Lam. Since then, the protests have grown into a movement advocating greater independence for Hong Kong, universal suffrage for its citizens (as the Chief Executive is chosen by a committee of 1,200 appointees) and an independent committee

chain around the city.

The protesters have made several attempts to reach out and garner support from democratic nations like the US, UK and Germany for international support, while China claims that the West, specifically the U.S, is already trying to enable unrest in Hong Kong by funding protests.

Overall responses from the international community has been small. The US has not taken a stand yet, although the United States-Hong Kong Human Rights and Democracy Act of 2019 was proposed on June 13, 2019, basing itself on the potential legal justification under the 1992 United States-Hong Kong Policy Act, which could "renew the United States' historical commitment to freedom and democracy in Hong Kong at a time

***"China claims that the... US is already trying to enable unrest by funding protests."***

when its autonomy is increasingly under assault". The UK likely does not want to aggravate China due to the possibility of a Brexit deal and a formal separation from the EU. Otherwise, the EU and Canada have so far released official condemnations against the violence protesters are facing in Hong Kong.

Despite the silence from the international community, protesters are refusing to give up until their demands for a freer Hong Kong are met.



"You cannot silence us."

Image courtesy of Bloomberg

girlfriend and stuffing her body into a suitcase while they were in Taiwan in 2018. The man fled to Hong Kong and couldn't legally be sent back to face trial in Taiwan due to Hong Kong's lack of a formal extradition treaty with Taiwan.

Kong in the streets, school, airports, foreign consulates and other areas. Protesters can be recognized by their black clothing and gas masks, as Hong Kong police use increasingly harsh measures against the protesters. While the bill has been formally

to crackdown on police brutality. Notable protests include the June 16th that has figure estimated upwards of 2 million participants and the August 23rd demonstrations where protesters formed a 28-mile long human

**You decide what's newsworthy.**

*Tuesdays at 5:00pm in O259*



# Borderlands 3: Sans-Spoilers

## The Fourth and Best Game yet in the Borderlands Series

Aidan Moulder  
Opinions Editor

*Borderlands*, the premier shoot-and-loot series, is back and better than ever! As with *Borderlands 2*, almost every system in the game has been improved or entirely redone, and some things are completely new. Just as I did with my *Control* piece from last week, I'll keep things as spoiler-free as possible, and focus on gameplay, performance, and graphics. As a reminder, ~~and so you don't have to go fish out last week's Thorn issue that you most definitely have somewhere because you love us so much~~, I'm playing on a PC with the following specs:

- CPU: Intel Core i5-9600K (6 cores/6 threads) @3.7GHz (with Corsair H115i)
- GPU: Zotac Gaming RTX 2070
- RAM: Corsair Vengeance RGB Pro 3200 MHz (2x8 GB)
- SSD: Western Digital 500 GB M.2 NVMe Display: Dell D2719HGF 27" 1080p @144Hz

### Gameplay

Gearbox introduced a variety of new gameplay mechanics for *Borderlands 3*. There are several noticeable ones, including the ability to climb up ledges. It doesn't seem that notable, but for me it completely changed the way I treat combat, and it made map traversal easier as well as more interesting, since there's now an element of verticality that wasn't present in the past few *Borderlands* games.

Another intriguing change is the new weapon score system. Previously, when picking up a new gun, you had to look at individual statistics and compare them side-by-side. It was a bit time-consuming, especially if you had a preference for what each type of weapon should specialize in. Now, to make things easier, all weapons are given a baseline score that's easy to find on the item card in the inventory.

I don't know the details, but my assumption is that the score is essentially an average of all the weapon's stats. If you still prefer to compare on a stat-by-stat basis, you have that option.

Other mechanics that were present in the rest of the series have been updated significantly. For example, one update that

helped me tremendously was the new map and mini-map: they now have perceivable depth. Even a change this small makes navigation a million times easier, especially on levels with overlapping sections as well as variations in height. On a related note, fast travel was also modified to allow fast-traveling to your vehicles and fast travel stations from anywhere on the map.

As with every other *Borderlands* title, one of the selling points is something about "bazillions of guns". There's no exact number, and not even a proper estimate from the studio, but there are in excess of *one billion* unique possible guns in *Borderlands 3*. I've already played a full day into the game, and not once have I picked up a gun that looks or handles the same way as any other one, and I don't mean "handling" in terms of the actual handling stat. What I mean is that there are so many new types of weapons.

As with previous titles, certain in-game manufacturers endow their weapons with special abilities, but now that the alternate-fire mechanic exists, there's a new world of possibilities for all the different effects that these weapons could have. This is something that I really can't quantify in writing. It's just simply easier to play the game yourself.

A new game in the series brings new characters, and new characters bring new skill trees. *Borderlands 3* has the typical three skill trees, but this entry takes them a step further.

If you're willing to sacrifice your grenade slot, you can equip two action skills. Furthermore, as you invest more skill points in a particular tree, you unlock augments for that tree's action skill.

Additionally, you can change these augments and your action skills out for one another at any time. That means there's a lot more freedom given to the player to tackle different threats how they want to.

Character customization has made a return, but (surprise!) it's a lot more detailed. You can still switch around character heads and skins, but skins just change patterns on clothing, and color choices are now up to the player. In addition, there are skins available for your Echo device, and even for your guns! That means, if you're like me, you make all of your weapons match.

On top of changes to character customization, vehicles now have deeper customization. You first pick a type of vehicle, and then you can change weaponry, armor, boosters, and also skins and colors.

### Performance

I heard rumors about poor performance on PC, but I've not encountered any game-breaking issues in that regard. I cranked my settings to the max, with the exception of motion blur, which I kept off because it simply sucks, and I have seen frame rates between 80 and 90, with drops only in very busy battles,

on initial map loading, and when I get notifications from Discord on its weird overlay.

I will note, that the DirectX 12 option in the settings is marked "Beta" and the game would not properly start up after turning that setting on. I had to go into My Documents and find the folder with the configuration files for *Borderlands* and change the DirectX version back to 11. Hopefully, this will change, because DX12 can bring significant improvements for modern graphics hardware.

### Graphics

*Borderlands* doesn't look as good as most triple-A titles, but it doesn't have to. The game has a certain aesthetic it's designed for and it fits that aesthetic perfectly.

The graphics are still significantly better than its predecessor, however: textures are sharper, vegetation is more lush, and now that you can travel to different worlds, there's so much more variety in locations. The desolate wastelands of Pandora give way to the metropolitan cityscapes of Promethea, which lead you to the quiet mountain villages of Athenas. Each location is just as impressive as the last.

One big (but expected) change is the Heads-Up Display (HUD) redesign. I like it, but I do find it a bit cluttered at times. There are still a few bugs with it that make navigating the menus somewhat difficult, but they're usually fixed by just reopening that particular menu. Otherwise, everything in the HUD is big and beautiful, and it communicates all the info the player needs efficiently.

### Final Verdict

*Borderlands 3* is quite simply the best entry in the series to date. It makes up for the disappointing *Pre-Sequel* and improves upon what made *Borderlands 2* the classic that it is. It's a blast to play, it has the same charm of the previous games, and despite being more of the same in most cases, it feels fresh and alive. I personally think that Gearbox really outdid themselves.



Gearbox stepping up their game; delivers on promise of gameplay filled with--roughly-- "bazillions of guns"

Image courtesy of cnet.com

# How to Be Modern-day Nomad

## Ten Years A Nomad: A Traveler's Journey Home

Jared Gibson  
Entertainment Editor

Traveling and reading are different activities that produce similar results. The first involves transporting yourself to another part of our world, while the other can be done from the comfort of your sofa, or favorite café.

The first involves planning ahead of time, sometimes several months before departure, while the other—for most of us, that is—requires little fore-

thought and can be performed any time of day in any place with sufficient lighting.

Both, however, take us to new places, confront us with new people and ideas, and in my opinion, can make us better people. In *Ten Years a Nomad: A Traveler's Journey Home*, the reader has a chance to do one of these activities while learning about the other.

As the book's title suggests, nearly a decade of living away from his home country makes for a well-traveled

author: Matthew Kepnes. Through several stories of his own travels around the world, Kepnes provides his own philosophy about living like a modern-day nomad. Instead of taking a chronological approach, he gives a theme to each chapter, skipping years at a time depending on which of his experiences serves his

However, he takes his writing too lightly at times and throws in awkward clichés when he could just as easily leave them out and continue with his point. In this way, his writing can become "fluffy," and makes the book longer than it needs to be.

Yet, Kepnes does not malign

**"...is traveling full-time financially possible?"**

point best. Relationships on the road, planning the trip, and living like a local are examples of these topics, and he answers questions about them such as "Can anyone have a serious relationship while traveling full-time?" "How is traveling full-time financially possible?" "Can traveling give one a true sense of a country/city? Or does that require living in said country/city for an extended period of time?"

His answers to most of these questions are positive and sometimes surprising. For a younger, inexperienced traveler like myself, there are great pieces of advice to be had in these chapters, including reasoning to back them up.

The writing style is very light, for lack of a better word. This is not a novel, crafted by some literary genius who exerts full mental effort into every sentence she puts down, and I don't expect it to be. Nomadic Matt is a travel writer, and I doubt his primary concern was creating a work of art. This does make the book a quick read.

any one group with his writing and, through his ideas, shows himself to be a mature and thoughtful person.

I think the novel idea in this book is actually a variation on Thoreau's exhortation to live deliberately. We have a set of choices in how to live life. Not everyone needs to take the typical American option of school, job, family, and retirement.

For some, this may be the dream, but there are many others who have been taught that this is the only way to live and that deviating from this course is considered a mistake. If you want to travel the world or want an alternative to the 9-5 office job for 40 years, you can have that. You just may have to adjust how you live now. Consider your options, and don't denigrate others for choosing a different one.



Travel Guru Matthew Kepnes tells us why he turned away from the traditional middle-class American trajectory and what he found during his decade of traveling.

Image courtesy of Rose-Hulman Institute of Technology



## Visit us at the Career Fair

Trintech is a Dallas-based SaaS software company offering automated financial solutions for the Record to Report process.

We help over 3,500 global organizations, committed to transforming their financial processes to best-in-class levels, reach maximized levels of efficiency and effectiveness.

We're innovating this industry utilizing leading-edge technologies like Risk-Intelligent Robotic Process Automation™.



Come talk with our Engineering Leadership Team  
at the Career Fair on October 2nd.

[info@trintech.com](mailto:info@trintech.com)

(800) 416-0075

[trintech.com](http://trintech.com)



### BUILD YOUR CAREER from the ground up

Freeport-McMoRan is a leading international mining company with headquarters in Phoenix, Arizona. We operate large, long-lived, geographically diverse assets, with significant proven and probable reserves of copper, gold and molybdenum. We are the world's largest publicly traded copper producer, the world's largest producer of molybdenum and a significant gold producer.

Whether you are a new graduate beginning your career or a student ready for the ultimate internship experience, Freeport-McMoRan has opportunities for you. Our intern and new graduate positions include a variety of majors and disciplines.

- **ENGINEERING:** Civil, Chemical, Electrical, Environmental, Geological, Materials Science, Mechanical, Metallurgical, Mining and Process Control
- **SCIENCES:** Chemistry, Environmental, Geology, Health and Safety, Industrial Hygiene and Mineralogy
- **BUSINESS:** Accounting/Finance, Communications, Human Resources, Information Technology and Supply Chain

Freeport-McMoRan is an exciting place to work and offers a great beginning for your career. Attracting new talent with innovative ideas and a fresh perspective is a high priority for our experienced management team. We know that realizing our company's tremendous potential will depend on the next generation of highly qualified employees.



[FMJobs.com](http://FMJobs.com)



### Focal Point is bringing it all to light!

We leverage our vertically integrated manufacturing and in-house design and engineering capabilities to deliver lighting and acoustical solutions that elevate interior environments.

### Visit us at the Fall Career Fair!

Engineering internship and full-time positions are available.  
Apply online at [focalpointlights.com/careers](http://focalpointlights.com/careers)





# Sleep: The New, Vital Trend

## The Reasons You Should Be Resting

Dalal Bima  
Editor-in-Chief

“I slept for 8 hours yesterday,” said the first. “8 HOURS?! That is so much sleep. I only slept 4 hours coz I was up all night doing homework.” This was a conversation I heard as I was walking on campus last week. Unfortunately, many people seem to take great pride in how much work they have done by compromising the *unnecessary* slumber. As much as I understand the work that Rose throws at us, it saddens me to see how people treat sleep as a burden against their success of achieving more.

This idea usually stems from the fact that many are unaware of the reasoning behind sleep or its importance for their physical and mental health. Therefore, whenever they need time to get more things done, they will most likely sacrifice their sleep without realizing that the sacrifice at the time may seem to be worth it. But the consequences are detrimental. According to research done by Professor Matthew Walker, sleep deprivation compromises your immune system, affects your memory, and may even make you crave junk food more than usual.

Sadly, sometimes we even witness big leaders and important icons brag about their *talent* of not needing more than 5 hours of sleep to

function. However, some company CEOs have talked in interviews about their intolerance of not having an efficient period of shuteye, which aided in changing people’s perspective of this activity that they have been doing all their lives.

“Sleep deprivation compromises your immune system, affects your memory, and may even make you crave junk food more than usual.”

To everyone at Rose, I would highly recommend that you read *Why We Sleep* by Dr. Walker, which provides an in-depth explanation of sleep and its importance in our everyday life. The following is a summary of the essential sleep habits from Dr. Walker’s book that will help you improve your sleep and help you perform better in your academic and personal life:

1. Go to bed and wake up at the same time every day, even after a bad night’s sleep or on the weekend.

2. Keep your bedroom temperature cool; about 65 degrees Fahrenheit is optimal for cooling your body towards sleep. Wear socks if your feet are cold.

3. An hour before bedtime, dim the lights and turn off all screens. Black-out curtains are helpful.

4. If you can’t sleep, get out of bed and do something quiet and relaxing until the urge to sleep returns. Then go back to bed.

5. Avoid caffeine after 1 p.m. and never go to bed tipsy. Alcohol is a sedative and sedation is not sleep. It also blocks your REM dream sleep, an important part of the sleep cycle.

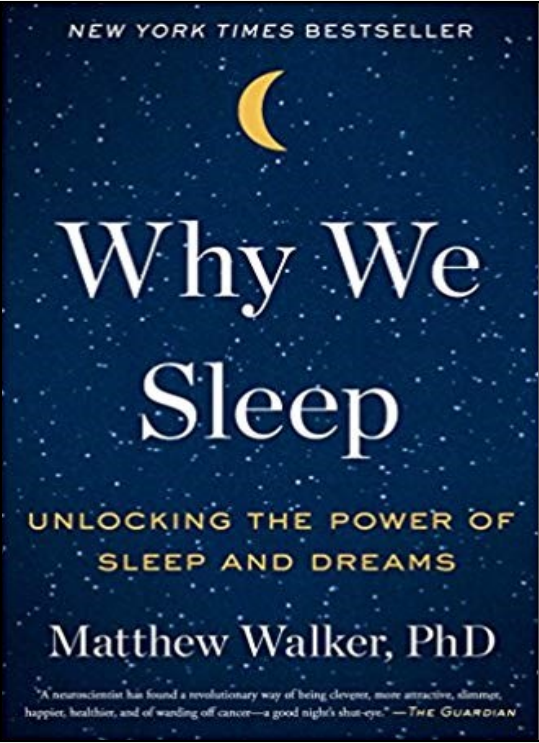


Photo courtesy of Amazon.com

# Quick Tips: *Résumés*

Colin Beach  
Lifestyle Editor

Hello Rose students! I (Colin, the editor for this page) have decided to begin what I would call a mini series of mini articles. One of my classes this quarter at Rose is RH330 — Technical & Professional Communication. All of you will take (or may have already taken) this class at some point in your four years here, but I thought now, with the Fall Career Fair coming up soon, would be a good time as any to share some of the information I have learned.

By all means, do not take my advice alone. Having multiple perspectives, like from résumé-building sessions or the Career Services department, are very helpful. Mine is simply from a fellow undergrad, featuring a different mindset and some “quick tips” to help along the way.

There may not be an article every week, but I will do as many as I can throughout the year with what I have learned and will soon learn. I plan to ask some faculty and staff for their advice as well.

This information is primarily for professional use, but some stuff can be applied in all aspects of

communication as well. I hope all info finds you well. With that, here is the first Quick Tip:

By far one of, if not the most, important part of job applications is going to be your résumé. It is a summary of who you are and what you do. But above all, a résumé is what makes you unique and stand out from other candidates looking for the same job. Whether applying online or at a career fair, résumés are often the first thing an employer sees about you. It is why this document takes a lot of drafts and refinements before reaching the final, ready-to-be-handed-over version.

<b>Objective</b> To exercise and improve my technical, leadership, and communication skills while providing opportunities to explore various aspects of engineering and the sciences.	
<b>Education</b> <ul style="list-style-type: none"><li>Rose-Hulman Institute of Technology – Terre Haute, IN<ul style="list-style-type: none"><li>Bachelor of Science, Biochemistry</li><li>Minor, Medical Physics and Nanomedicine</li><li>Coursework: Analytical Chemistry, Introduction to Nanoscale, Biophysics</li></ul></li><li>Centerville High School –<ul style="list-style-type: none"><li>Biotechnology Career Technical Program</li><li>2-year program involving laboratory-focused classes</li><li>Taken in partnership with Sinclair Community College</li></ul></li></ul>	May 2022 GPA:   2014 – 2018
<b>Work Experience</b> <ul style="list-style-type: none"><li><i>Laboratory Research Mentee</i><ul style="list-style-type: none"><li>Recorded and maintained a detailed inventory of laboratory materials</li><li>Attended regular lab meetings that discussed project plans and data</li><li>Observed and practiced the entire protocol necessary for the Western Blot process</li><li>Assisted doctors and undergraduates with their study and treatment of DIPG cancer</li></ul></li><li><i>Genetics Department Volunteer</i><ul style="list-style-type: none"><li>Input patient information into hospital's online network system</li><li>Observed patient appointments with geneticists and genetic counselors</li><li>Provided feedback to the health educator on informative presentations for the public</li></ul></li></ul>	2019  2018
<b>Academic Achievements &amp; Awards</b> <ul style="list-style-type: none"><li>Rose-Hulman Dean's List (Fall, Winter 2018; Spring 2019)</li><li>Miami Valley Tech Prep Showcase Winner (Medical Bioscience Division)</li><li>Centerville High School Scholar Athlete Award</li><li>AFLAC Duck-Print Award (recognition for impact on fight against childhood cancer)</li></ul>	2018 2017 & 2018 2015
<b>Extracurricular Activities &amp; Community Service</b> <ul style="list-style-type: none"><li>Alpha Chi Sigma (professional fraternity)<ul style="list-style-type: none"><li>Chemistry fraternity focused on professional and educational development</li><li>Perform service work and educational presentations for the local community</li></ul></li><li>The Rose Thorn (school newspaper)<ul style="list-style-type: none"><li>Write articles for a weekly published newspaper</li><li>Currently serving as Lifestyle Page Editor</li></ul></li><li>ESCALATE Entrepreneurship Program<ul style="list-style-type: none"><li>Learn and practice the characteristics and actions of a successful business</li><li>Mentor freshmen undergraduates on their Introduction to Entrepreneurship class projects</li></ul></li><li>Rose-Hulman Institute of Technology Swim Team</li><li>Rose-Hulman Institute of Technology Chorus</li><li>Make It Happen Organization</li><li>USA Swimming Paralympics Swim Team Volunteer</li><li>Hospital Childhood Ambassador</li></ul>	2019 – Present 2018 – Present 2018 – Present 2018 & 2019 2016 & 2017 2010 – Present

Questions, comments, concerns, or suggestions can be sent to <beache@rose-hulman.edu>. Much credit is given to Dr. Jody Jensen and The Engineering Communication Manual.







## Why Joe Needs To Go

Jonathan Kawauchi  
Staff Writer

The results of the 2016 US Presidential Election were a demoralizing loss for the Democratic Party and its voters. Trump, who was considered a godsend and easy opponent for the Clinton campaign early on, managed to inspire and rally a larger voter turnout than his opponent. Just glancing at voter turnout and popular vote from the past three elections tell a clear story about what happened in the 2016 elections. Obama gathered 69 million and 66 million of the popular vote in 2008 and 2012 respectively, managing an undeniable victory over his Republican opponents: John McCain (-60 million) and Mitt Romney (61 million). By comparison, Clinton came through with only 66 million to Trump's 63 million, losing through the electoral college. The 2016 election was arguably winnable. Not even including the toss-up states of North Carolina and Florida, Clinton lost three Dem-leaning states (Michigan, Pennsylvania, and Wisconsin) by 1% margins, resulting in 36 electoral votes going to Trump.

How were these three Dem-leaning states lost in the election? Well, for one thing, Clinton didn't even visit Michigan during her campaign, fearing a lack of support would reflect poorly on her candidacy and invigorate Trump's base. Wisconsin was a different story, as the campaign cancelled its visit and changed course to respond to the Orlando night-

club shooting in Florida. In the end, the Democratic party callously decided to cut their losses and assumed the states would back them regardless, highlighting a cognitive dissonance with what voters have been wanting since 2008: Change.

The choice of Clinton as the Democratic candidate marred the campaign from the start. Easily portrayed as a New York elite, it's truly difficult to imagine Clinton as a champion of anything but the status quo, let alone becoming a figure for progress in the same vein of Obama. Over the course of Clinton's campaign her rhetoric evolved around the "At least I'm better than Trump" mentality, rather than leading the charge to address issues that galvanized left-leaning voters like LGBT civil rights, climate change, the student-loan crisis, and closing the wealth gap. The result was toxicity, cynicism and hopelessness from the 2016 Clinton campaign, which only pushed away voters and decreased Democratic voter turnout nationwide.

So why have the last three paragraphs been focusing on the 2016 Clinton campaign instead of Joe Biden and the upcoming Democratic primary? Simply put, he represents more of the same. The same Democratic party that put Hilary Clinton as the primary candidate. The same Democratic party that passed over Wisconsin and Michigan during the 2016 election. The same Democratic party that failed to make any meaningful change like pulling us out of

war in the Middle East or progressive legislation other than a butchered healthcare bill. The same old party of political elites that don't want to address corporate lobbying of our government, gerrymandering of our districts, or take the reins on domestic humanitarian issues like private prison reform and drug decriminalization.

The platform of Joe Biden is simply more of the same. It's a basic cookie-cutter liberal agenda that every other single candidate holds with no unique platform bills or specific legislation to address any issues. Many of the current polls put Biden at a lead in most states, but frankly I would say that polls at this time have no value. The primary is still several months away, let alone the general election more than a year from now. The majority of the American public haven't taken the time to research individual candidates or even watch the debates. At the moment, it's all a popularity contest of name recognition and word of mouth. So naturally Joe Biden, a remnant of a better time in American history for many Democratic voters, is the obvious answer for these polls.

But does that association really hold any weight? Clearly enough for Clinton, but not enough to win her the presidency. Are we really ready to get another candidate riding off of Obama's coattails? I don't see why Obama has to be the gold standard. The question should not be, 'Can they be as good as Obama?', but rather what should be

asked is, 'Can they do better than Obama? Will they stick to their campaign promises and make meaningful legislative progress? Can they make true change?'. And that's the question that's essentially at the hearts of all potential democratic voters now.

Both here and around the world, citizens are demonstrating the desire for change. The election of Donald Trump, Alexandria Ocasio-Cortez, and other new unconventional government representatives in the House and Senate signal this clearly.

When compared to his opponents for the primary, it can be hard to really find anything standout about Joe besides his experience as Vice-President. It's hard to compare him to Bernie Sanders, who has and still does march with workers aiming to unionize and secure their labor rights across the country, or Elizabeth Warren, who has vocally taken a stance about specific changes to US policy such as replacing the Immigration and Customs Enforcement agency (ICE) as well as signing on the Green New Deal resolution.

On the other hand, Joe Biden represents a return to the old. But that psychological branding of a return to the Obama era isn't good enough to bring out voters to the polls. It won't be enough to inspire his base. Both literally and metaphorically, he's simply a politician from an older generation, with no place as president to a constituency of voters who desire a new status quo.

## But Bernie Is No Better..

Aidan Moulder  
Opinion Editor

In his piece above, Jonathan made some good points about Joe Biden. He's most definitely too much of a status quo politician who will waste too much time repairing Obama-era policies that unraveled under the Trump administration. I wholeheartedly agree that the needs

about after graduation, but it's just not feasible because of how well-established these systems currently are and how much it would likely increase our already-bloated national debt.

Comparing Sanders to Elizabeth Warren is like comparing apples to, well, apples. So many of their stances are the same across the board. For every ma-

and much more. Basically, I don't think Warren is a much better candidate than Sanders. Both of them share so many ideas that the deciding factor in your vote would be down to something like felon voting rights. Another important thing to note is that during debates, Sanders and Warren avoid directly attacking one another.

no other candidate shares. However, at the same time, he acknowledges the status quo and isn't looking to overthrow it completely by making college free, or by more than doubling the federal minimum wage.

I suppose my point is that while Sanders and Warren label themselves as being progressive, they're not progressive enough



Image courtesy of The Washington Post

and wants of voters and society as a whole are changing, and that "cookie-cutter" liberals are out of style. Jonathan brought up Elizabeth Warren and Bernie Sanders as replacement options, but I think that even they are just as bad of options as Joe Biden is.

I think the issue I have with Bernie is that he labels himself as a "progressive" when I have always seen him as more of a radical. In some cases, being a radical isn't all that bad, like in the case of climate change legislation, but in a lot of cases it won't work. That's not to say I don't agree with some of his ideas. For example, I would absolutely love for my tuition to be free, with no loans to worry

for issue, if they don't have the same exact opinion, they have very similar opinions. For example: both want to raise taxes on the wealthy, raise the minimum

***"American politics are changing whether we want them to or not."***

wage to \$15 per hour, make post-secondary education free, eliminate the electoral college, impose regulations on carbon emissions, remove limitations on abortion, support Medicare-for-All, oppose the border wall, support legalization of marijuana,



Image courtesy of Vanity Fair

When you step back and look at some of the other candidates, you will find a significantly better balance of extreme

and moderate ideals. As radical as Sanders and Warren are on some issues, they don't really bring anything new to the political landscape. Take Andrew Yang: he has his radical (and radically new) basic universal income idea. This is an idea that

and far too radical. American politics are changing whether we want them to or not. But while the politics and voter preferences change to fit a new world with new problems, we need candidates that fit the bill. In addition, after several years of harsh and not-so-presidential rhetoric from our current president, we need someone to simply do better in that regard. In that respect, I would be happy seeing any current candidate replace Trump, but not all of them are equally capable of leading the country effectively. In terms of these issues, we have yet to see who will best solve them or at least who will come up with the best way to combat such issues.





WJE is proud to be a part of the team repairing and restoring the iconic **Indiana War Memorial** building

Discuss this project and the many job openings we have by stopping by our booth at the **Fall Career Fair on October 2**

Visit **[WJE.com/careers](http://WJE.com/careers)** to learn more

# WJE

ENGINEERS  
ARCHITECTS  
MATERIALS SCIENTISTS

Wiss, Janney, Elstner Associates, Inc.

WJE Indianapolis  
8606 Allisonville Road  
Suite 205  
Indianapolis, IN 46250



## Cross Country

### LaVern Gibson Championship

Caleigh Kintner  
Sports Editor

The Rose-Hulman Institute of Technology women's cross country team placed third among NCAA Division III teams and 17th overall at the Indiana State University John McNichols Invitational on Saturday at the LaVern Gibson Championship Course. While the Rose-Hulman Institute of Technology men's cross country team placed second among NCAA Division III teams and 17th overall at the LaVern Gibson Championship Course. The meet featured seven NCAA Division I top 40 ranked teams, and the Engineers came home 17th overall in the 21-team event.



Photo by Rose-Hulman Athletics



## Women's Golf

Caleigh Kintner  
Sports Editor

Rose-Hulman won the HCAC Preview championship by 11 shots over second-place Transylvania University with a two-day score of 640. The Rose-Hulman Institute of Technology women's golf team relied on three top-five performances to win the Heartland Collegiate Athletic Conference Preview on Saturday and Sunday at Bluffton Golf Course.

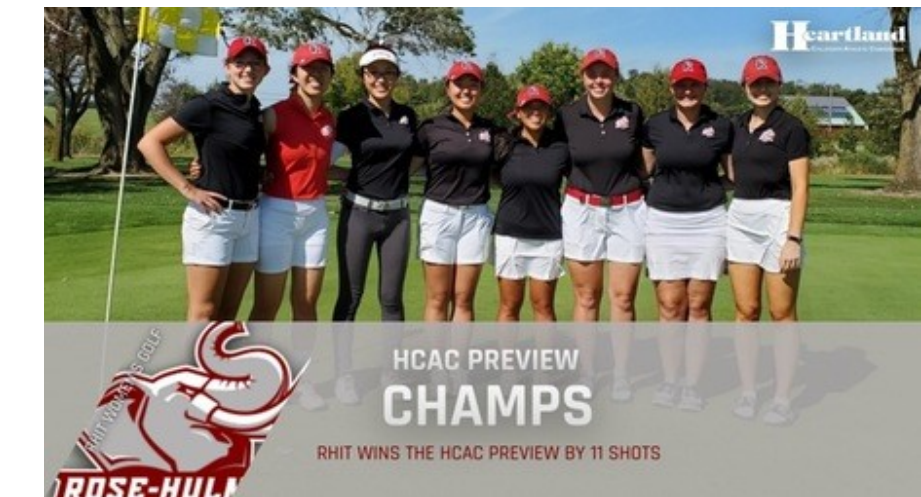


Photo by Rose-Hulman Athletics

## Women's Tennis

Caleigh Kintner  
Sports Editor

Rose-Hulman Institute of Technology was able to pick up a win over Mount St. Joseph on Wednesday night with a final score of 8-1. This improves the Engineers to 4-1 overall and 2-0 in the HCAC. The Engineers will return to competition on Wednesday, 9/25 hosting Anderson at 6:00 PM.

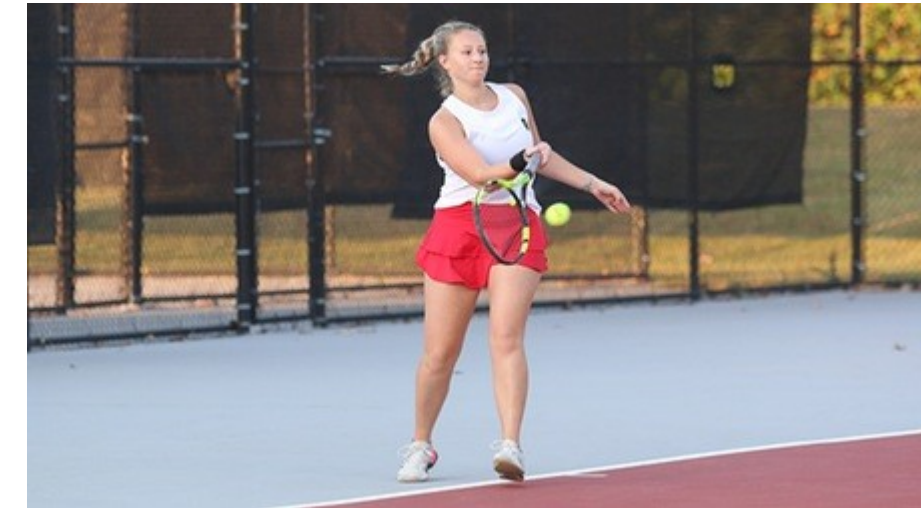


Photo by Rose-Hulman Athletics

## Volleyball

Caleigh Kintner  
Sports Editor

Rose-Hulman Institute of Technology dropped a pair of matches against talented Wisconsin competition at the Carthage Invitational on Saturday. Rose-Hulman gave a tight battle to Concordia Wisconsin in the first two sets before falling 25-22, 25-23, 25-15.



Photo by Rose-Hulman Athletics

Football	Men & Women's Soccer	Volleyball	Women's Tennis
September 28: @ Manchester	September 24: @ DePauw (W)	September 25: vs DePauw	September 25: vs. Anderson
October 5: vs. Franklin	September 25: vs Fontbonne (M)	September 28: vs Illinois Tech	September 28: @ Manchester
October 12: @ Bluffton	September 28: vs. Westminster (W)(M)	September 28: vs. Trine	September 29: vs. Transylvania
October 19: @ Anderson	October 5: @ Bluffton (W)(M)	October 5: @ Manchester	October 2: vs Earlham
October 26: vs. Mt. St. Joseph	October 9: @ Mt. St. Joseph (W)(M)	October 5: @ Eureka	October 5: @ Hanover
November 2: vs. Defiance	October 12: vs. Defiance (W)(M)	October 9: vs. Franklin	October 8: vs. Indiana— East
November 9: vs. Hanover (Senior Day)	October 16: vs. Hanover (W)(M)	October 12: vs. Defiance	October 11: @ Franklin
November 16: @ Saint John's	October 19: @ Earlham (W)(M)	October 16: vs. Anderson	
	October 23: vs. Franklin (W)(M)	October 19: @ Transylvania	
	October 26: vs. Manchester (W)(M)	October 23: @ Mt. St. Joseph	
	October 30: @ Anderson (W)(M)	October 26: vs. Hanover	
	November 2: vs. Transylvania (W)(M)	October 30: @ Earlham	
		November 2: vs. Bluffton	





## WACKY PROF QUOTES

“For a moment there I thought I was going to have to kill myself.”  
-Dr. Kurt Bryan

“We can’t visualize the 4th dimension; well you can, but we’d all have to drop acid.”  
-Dr. Kurt Bryan

“This is the type of thing that some moron would animate in Maple.”  
\*Proceeds to show the animation he made in Maple\*  
-Dr. Kurt Bryan

“The left door leads to certain death. So does the right door.”  
-Dr. Timothy All

“It would be fun to watch hundreds of people try to storm the base and then MACHINE GUNS!!! But that would be wrong.”  
-Dr. Kurt Bryan

“Did you stay up all night doing drugs again?”  
-Dr. Kurt Bryan

“My brother, the son-of-a-bitch, is 6’1”.”  
-Dr. Timothy All at about 5’0” tall

Did your prof say something hilarious or just great out of context? Did you hear something amusing on your jaunt about the fine halls of this institution? We want to hear about it! Send your quotes with who said it to [thorn-flipside@rose-hulman.edu](mailto:thorn-flipside@rose-hulman.edu) or fill out this nifty google form: <https://goo.gl/forms/bB339sx6GHohggYtL>

## Scooter Population on the Rise as Bike Share Program Invades Campus

Last year saw the introduction of the infamous Scucci Gang to Rose-Hulman’s campus. Rose’s Student Government Association has felt threatened by the rise in this rival gang and decided to form their own student-sponsored terrorist organization. In response to this gang war, students have been taking sides in this gang conflict. While both scooter and bike ownership has increased, scooter ownership has seen a greater rise, due to the more appealing name of the Scucci Gang, and the relatively cheaper cost of each scooter. We will bring you more about this escalating gang war as it unfolds.

## SRC Renovation: Mo’ Construction, Mo’ Problems

Har DeBois

There is yet another new construction project that will soon be starting. This time, they are renovating the basement of the SRC. As it stands now, the basement of the SRC serves as storage for the Institute’s massive amounts of cucumbers and pickles. The plan is to convert that storage into space for cages. Now, you might be wondering what they would do with all the cucumbers and pickles, and at one point, I wondered the same thing. So I investigated the project and managed to get a word from Ryan Brimberry, Director of the Recreational Sports and Athletic Facilities. Mr. Brimberry told me that they intend to “...move the cucumbers and pickles to another empty place, such as the east campus freshman parking lot...”.

Some other questions that came up with this investigation had to do with the suspicious cages. Who were they made for? Why do we need 25 of them? Why are they 25 feet tall? Why hasn’t my dad come back yet? Is the line for cigs really that long?


After even harder investigation than before, I came across a stunning discovery. The cages were for an animal. Not just normal ones either. What I saw in that basement will scar me for the rest of my life. The monstrosities in the cages were beings that were 20 feet tall, had tusks like an african Elephant, the legs and arms of a T-Rex, and the anger of a soccer mom whose son got benched. I am not sure what this beasts are going to be used for, all that I can hope for is that I don’t have to see the carnage that would be left in their path.

As horrified as I was while walking out of the SRC, I ran in to Mark Long, the Manager of SRC Maintenance. I stopped him and asked if he knew anything about any cages being transported here. He looked me dead in the eyes, brought his hands up like he was doing the Thriller dance, and with a straight face let out what I could only guess was his attempt at the roar of a T-Rex. He ran off before I could get a real answer out of him.

If you ask me, something fishy is going on in that basement, and it needs to be made public. Hopefully I am long gone before they are set free.

## TOP TEN

### Ways to Improve the Food from the Bon

1. CHICK-FIL-A SAUCE EVERYTHING
2. Don’t buy meal swipes
3. Vodka
4. Surprise audit by Gordon Ramsay
5. Butter your buns, toast with the panini press
6. Go on strike until they serve tendies everyday
7.  on Appetit
8. Go on strike until they serve tendies everyday
9. Cook everything one minute more
10. Cook everything one minute less
11. Cook EVERYTHING
12. Salt
13. Nothing
14. Apply to be a cook part time (they’re hiring)
15. Fry the tofu
16. Baguettes that don’t CRUNCH
17. Rice that doesn’t CRUNCH
18. Chicken that doesn’t CRUNCH
19. Bring your own sauce
20. Start your own food stand
21. Bring back the ol’ Seelyville water
22. Just don’t go. Save yourselves

## SDF: The New Species on the Block

Ms. Anairy Stile

In the world today, there is such a vast amount of species and animals out there, but it’s not everyday that you hear reports of a possible sighting of a new animal. This particular sighting happened here at Rose, which is what encouraged me to pick up the case. The animal that is being reported tends to have rather droopy eyes. The walk on two legs like us, but their arms seem to hang by their sides, not swinging at all, just hanging their. Their backs are in constant pain due to quick spinal development during its youth, as well as the weight of their shell. They tend to move slowly, sometimes moving without regards for their surroundings. Most of the communications they make sound like simple grunts and moans, but to them, it’s a whole language. The animal I am referring to is, of course, the SDF: the Sleep Deprived Freshman.

Those who have experienced the pure ugliness that is an SDF, have truly faced horror. With too much to do and too little time, the SDF’s usually find themselves grunting inaudible noises, presumably about the amount of work the need to do. I cannot emphasize enough the danger these animals pose to Rose. Their tired and/or grumpy and/or hangry and/or tired attitudes dampens the overall mood of the school. Think of our professors that are working hard (or hardly working) to provide us with knowledge to succeed. How must they feel when an SDF strolls into their class and nods off before the hour starts.

I went around campus, hoping to find someone who had seen the rare creature. After hours of searching, I finally found a survivor. The man asked to remain anonymous, but told me I could use his quote: “Them things are scary. I swear I’ve never seen a more repulsive creature in my life. It kinda makes ya feel bad for it.” Honestly I’m not sure I could’ve phrased it any better myself. If you see an SDF somewhere on campus, please follow the QR code below to submit a picture of the animal. The best five submissions win a \$2.50 gift card to the Apple Store.

Rules of the Competition:

- Has to be clear enough picture to tell that it is an SDF
- Can not be taken whilst harming the animal, only after
- The more you can capture in one photo, the better your chances of winning
- No more than three submissions per person, per phone, per day, per hour
- Only pictures on campus will count, anything suspicious is left to the judge’s discretion

